

### Abstract

The invention relates to a multilayer pharmaceutical dosage form for the controlled release of active substances, containing: a) a core layer containing a substance that acts in a modulatory manner with regard to the release of active substances, optionally a neutral core and/or an active substance; b) an inner control layer that influences the release of the substance that acts in a modulatory manner and of the optionally contained active substance from the core layer, containing pharmaceutically useable polymers, waxes, resins and/or proteins; c) an active substance layer containing a pharmaceutical active substance and, optionally, a substance that acts in a modulatory manner; d) an outer control layer containing a (meth)acrylate copolymer or a mixture consisting of a number of (meth)acrylate copolymers comprised of 98 to 85 C<sub>1</sub>-C<sub>4</sub> alkyl esters of (meth)acrylic acid and 2 to 15 % by weight of methacrylate monomers with a quaternary ammonium group in the alkyl radical and optionally containing pharmaceutically useable polymers that are insoluble in water, whereby the layers can contain, in addition and in a known manner, pharmaceutically conventional adjuvants.